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INTERNATIONAL SEARCH REPORT

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| International application No. PCT/KR00/01170 |
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A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C07C 67/00, C12P 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07C, C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN(REGISTER, CAPLUS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| T,A | Novel synthetic routes to several new, differentially substituted ruthenium tri(4,4'-disubstituted-2,2-bipyridine) complexes, Dusan Hack et al, page 308-316, American Chemical Society (2000), 39(2) see the scheme 1 and table 1 | 1-9 |
| T,A | Catalytic asymmetric and chemoselective aerobic oxidation : kinetic resolution of sec-alcohols, Masutani K. et al, page 5119-5123, Tetrahedron letters (2000) 41(26) see the page 5120(reaction, scheme) and table 1 | 1-9 |
| T,A | synthesis of ruthenium complexes with planar-chiral cyclopentadienyl-pyridine or -phosphine bidentate ligands, Nariko Dodo et al, page 35-41, Dalton (2000) 1, Royal Society of chemistry see the scheme 2 and 5 | 1-9 |
| A | EP-A2-375417 see the whole document | 1-9 |
| P,A | EP-A1-992491 see the whole document | 1-9 |
| A | Ruthenium(2)-catalyzed asymmetric transfer hydrogenation of ketones using a formic acid-triethylamine mixture, Fujii, Akio et al, page 2521-2, American Chemical Society (1996), 26(12) | 1-9 |

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
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- "P" document published prior to the international filing date but later than the priority date claimed

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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "A" document member of the same patent family

Date of the actual completion of the international search
09 FEBRUARY 2001 (09.02.2001)Date of mailing of the international search report
12 FEBRUARY 2001 (12.02.2001)Name and mailing address of the ISA/KR
Korean Industrial Property Office
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR00/01170

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|--|------------------|--------------------------------------|-----------------------|
| EP-A2-375417 | 1990.6.27 | JP-A2-02-169555 | 1990.6.29 |
| EP-A1-992481 | 2000.4.12 | DE-A1-1998-5517 JP-A2-2000-119217 | 2000.4.6 2000.4.25 |

End of documents